



State of Nevada – Department Of Personnel

CLASS SPECIFICATION

<u>TITLE</u>	<u>GRADE</u>	<u>EEO-4</u>	<u>CODE</u>
RADIATION PHYSICIST	38	B	10.538

The Radiation Physicist works under general direction of the Supervisor, Radiological Health Section, to monitor and oversee the level of radiological activities at the Nevada Test Site (NTS) by the United States Department of Energy (DOE) and the United States Environmental Protection Agency (EPA).

Oversee environmental monitoring of radiological activities by meeting with federal officials to discuss problems and issues related to radiological activities at the NTS in order to ensure compliance with applicable state, federal and local laws, rules and regulations; provide technical expertise and leadership in the area of radiation physics.

Review DOE and EPA files in the headquarters office to determine the level and adequacy of radiological monitoring documentation and to assess public radiological implications; develop reports for the Governor and Health Division Administrator as necessary.

Develop and implement guidelines for environmental monitoring of radiological activities by the DOE and EPA; monitor and evaluate environmental remediation activities.

Review, analyze, interpret and determine the impact of DOE and EPA orders related to decontamination and clean-up; provide guidance to managers from the major contractors, national laboratories, the defense nuclear agency and DOE and EPA officials by preparing and presenting briefings.

Perform as a liaison with the EPA Nuclear Assessment Division; coordinate, prepare, and review programs and documentation related to environmental monitoring activities of the EPA; maintain continued awareness and understanding of current relevant issues.

Review the environmental aspects of remedial action plans for contractor guidance at sensitive project areas located off the NTS to ensure compliance with programs; visit off-site projects to ensure adequate compliance with environmental aspects of the plans.

Conduct environmental appraisals, program reviews, field inspections, radiological surveys and follow-up activities to determine the effectiveness and compliance of Nevada contractors and NTS users with environmental and program requirements; review and evaluate all environmental radiation detection and sampling systems at or near the NTS; perform environmental sampling; supervise the development and maintenance of a database of NTS environmental data; develop and maintain a geographic information system used for tracking environmental trends at the NTS.

Make written and oral presentations to managers from the DOE, DOE contractors, and other government and state agencies.

Supervise Radiation Control Specialists involved in the inspection, investigation, registration and licensing of radiation sources and radiation producing devices.

Perform related duties as assigned.

MINIMUM QUALIFICATIONS

CONDITION OF EMPLOYMENT: Incumbents must be able to obtain a top secret security clearance from the federal government.

EDUCATION AND EXPERIENCE: Bachelor's degree in radiation physics, health physics, nuclear engineering or closely related field and five years of experience in radiation detection, federal or state radiological protection, or radiological environmental remediation; **OR** an equivalent combination of education and experience.

ENTRY LEVEL KNOWLEDGE, SKILLS AND ABILITIES (required at time of application):

Knowledge of: health physics, radiation protection, and general environmental protection theories and practices in order to be considered the primary Nevada staff contact for environmental policies and interpretation of program results; radiation detection and environmental effects of radionuclides necessary to review the technical accuracy of contract or programs and to provide lay persons with information regarding the significance of radiological contaminants; the principles of data acquisition and report writing to present technical and administrative information in clear, concise language in the preparation of staff papers, reports, studies, regulations, policies, and contractor evaluations; nuclear physics and advanced mathematics as necessary to review contractor programs in radiation protection; radiation and environmental protection regulations defined in the code of federal regulations, applicable EPA regulations, and other federal and international requirements. **Ability to:** interact effectively with all levels of DOE and EPA management; monitor and evaluate environmental remediation activities; collect and maintain the integrity of various soil, air and water samples; operate all types of radiation detection equipment.

FULL PERFORMANCE KNOWLEDGE, SKILLS AND ABILITIES (typically acquired on the job):

Knowledge of: radiation hazards specific to nuclear weapon testing to serve as the senior radiological advisor to the test controller; security and classification procedures sufficient to safeguard classified information; applicable U.S. Department of Energy orders; NTS procedures and requirements. **Ability to:** supervise the work of subordinate staff including work direction and performance evaluation.

This class specification is used for classification, recruitment and examination purposes. It is not to be considered a substitute for work performance standards for positions assigned to this class.

10.538

ESTABLISHED: 5/24/91PC
REVISED: 7/1/97P
9/19/96PC